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TECH NEWS



VOL. 4-NO.5

WORCESTER, MASS., MONDAY, OCTOBER 14, 1912.

PRICE FIVE CENTS

UNION-7

TECH-6

Tech Almost Defeats Eleven Men and a Referee

The kick-off occurred at three o'clock. There had been a hard rain-storm the night before and the field was heavy and wet. Both teams played at a great disadvantage, for clay filled the players' cleats and made speedy playing uncertain. During the first quarter the game was rather poorly played and the work of both teams ragged. Union, perhaps, had a slight advantage. Tech's line appeared rather ineffective in resisting the onslaughts of the Union backfield, who made a few substantial gains. After reciprocating the ball a few times, Union managed to score a touchdown, after the hardest kind of playing. Dewey kicked the goal.

Score: Union 7, W. P. I. 0.

The crowds went wild and for a few minutes things began to look black for the engineers. Slowly, but surely, however, they pulled together and, obtaining the ball, Tech pushed steadily down toward Union's goal, Power gaining thru the line, Barnes on a couple of end runs and Stone netting fifteen yards on a perfect forward pass. The ball was pushed to Union's one-yard line on a third down and excitement was intense. Things were changing now. Union's recent offence had changed to a desperate defence and they were fighting every inch. The ball was given to Power, who, finding no hole, "hit" the line in his old-time Exeter form. He was downed just on the goal line and immediately covered with a mass of players. Here it was that Tech was robbed of a legitimate score which they earned by hard, clean playing. The referee, incidentally a former Union coach, manouvered with the ball in a questionable way, then turned it around in the usual manner for measurement and declared that it was no touchdown, despite the protest of the local boys and the corroboration of a nearby policeman that the ball had been moved back. Here time intervened, the first half being over.

Score: Union 7, W. P. I. 0.

From the time the whistle blew for the second half until the game ended there was absolutely no doubt as to which eleven was superior. Tech showed themselves Union's masters in every point of the game. In this half, Tech's linemen took a remarkable brace, opened up the Union line for several big gains and showed themselves almost impenetrable on the defense. Union kicked off and the ball landed behind Tech's goal.

It was put in scrimmage on the 20-yd. line and here it was that Tech showed their real mettle. Successfully working some new trick plays, and with Power and Barnes smashing the line, our fellows repeatedly made first down. At the 35-yd. line, Roberts was forced to punt on the fourth down. The ball was blocked, but Barnes recovered it. Then, with the ball once more in their possession, the eleven from Worcester crushed Union's defense, and Barnes went around end on a clean little end run of 15 yards for Tech's only recognized touchdown. In kicking the goal the hand of Fate was again adverse. The ball struck the goalpost, and the point necessary to tie the score was lost. This ended the third quarter.

Score: Union 7, W. P. I. 6

The last quarter showed the finest playing of all, Union hanging on grimly to their slender advantage in score, and Tech fighting desperately against time. The quarter ended without a change in score.

Score: Union 7, W. P. I. 6

It may be said of both teams that they played a fair, square, gentlemanly game, which was entirely devoid of penalties. Worcester's main weakness seemed to be in a lack of systematic interference and poor tackling, but other wise the team's work was the best that they have done this season thus far. For Tech, Power, Barnes and Stone played hard, consistent games, and showed up in fine style. The lineup:—

| | |
|-------------------------|-------------------|
| UNION—7 | W. P. I.—6 |
| Story, Anderson re | re Steele |
| Jenkins rt | rt D. Howard |
| Jackson, Davis rg | rg Tinker Roberts |
| Page c | c Becker |
| Unrich lg | lg Wiedermann |
| Wood lt | lt Bidwell |
| Starbuck, Beaver le | le Stone |
| Beaver qb | qb Kelley |
| Harvey, Huthsteimer lhb | lhb Barnes |
| Dewey, Gilbert rhb | rhb Kane |
| Mallen fb | fb Power |

Umpire, Cook, Jr. Referee, O. W. Knolt. Touchdowns, Mallen, Barnes. Goal from touchdown, Dewey. Goal missed, Roberts. Linesmen, Groat and Little. Time four 10-minute periods.

?

SHOULD WE ABOLISH ATHLETICS

?

The following article is not written with the idea of condemning athletics at Tech, as the reader might at first conclude from the directness of its headline, but is an attempt at a fair consideration and discussion of the present state of our athletics with a view to bettering them and placing them on a par with those of sister schools. It is far from the writer's intention to discuss or suggest anything that in any light might be construed as detrimental to this very important factor in the life of our school. It is intended in the ensuing lines to state plain truths and to get to the root of the causes of the present deplorable state of our athletic sports, with no other idea or motive than that of bettering existing conditions along these lines, and making this branch of the school's activities worthy of everyone's support.

Nearly every school in this country that is worthy of consideration in this discussion is actively engaged in athletics of some form or another, and is yearly devoting large amounts of time, energy and money for their support. Why is this so? Why are athletics recognized and supported with such consistency thruout the entire country by students and faculties alike? Education is a serious matter and in it the conservation and proper use of time and energy are extremely important items. It is the intention and aim of educational authorities that a student's time for work and recreation shall be so proportioned and adjusted that he will obtain the maximum amount of benefit from it. Why is it then that so much precious time and effort are allotted to these pastimes called athletics, which seem scarcely educational in themselves? It cannot be that the

demands of the pleasure loving student have overcome the deep-rooted authority and far-sightedness of their superiors; it must be that athletics undoubtedly have in themselves something of value and worth as an auxiliary to education. It is evident that they owe their existence, in connection with schools, to the fact that they are beneficial and remunerative in many ways. Let us consider what these are.

Athletics, if properly controlled, should form a vital and indispensable part of the activities, scholastic and otherwise, of every school where they exist, and if such is not the case something must be fundamentally wrong. Let us consider wherein they are beneficial. First of all, they provide an excellent opportunity for students to obtain the amount of physical exercise necessary to accompany their school work and produce harmony of mind and body. They serve to combine healthful exertion with the fascination of competition. Thru them men who would otherwise have

PRECEDENT REMAINS UNBROKEN

Freshmen Win Again.

Promptly at 5:20 last Tuesday afternoon, Mr. J. A. Bullard fired the shot that started the annual Rope Pull. Twelve minutes later, "Bucket," in spite of many proud 1915 boasts, breasted the waves of Institute Pond at the head of a column of Sophomores.

As seen by the opening paragraph, the Rope Pull was short, but while it lasted there were plenty of thrills. For the first five minutes of the pull there was practically no gain made by either side, but from then on the Sophomores slowly but surely lost ground until the end. However, they were game to the core, fighting every inch of the way, even thru the water(?).

At the beginning of the contest, everything favored the 1915 men, as they had their choice of sides and had the heavier team. The cause of their failure was the lack of the team work, which was so apparent on the freshman side.

The freshmen were under the captaincy of W. E. Shumway, and the sophomores were led by N. C. Avery. The judges were J. A. Bullard, J. C. Davis, F. W. Roys, H. R. Power and L. L. Steele. Following is a list of the contestants:—

Freshmen — Shumway, captain; Weaver, Fenn, Tulloch, Wallsten, Hugo, Andrews, Whiting, Tilton, Ogren, Leonard, J. M. Chandler, Glass, Walker, Upson, Olsen, Kinney, Wood, Tucker, Livinsky, Atherton, Marble, Pratt, Banan, Sibley, Elkins, P. K. Chandler, Foss, Moulton, Eaton, Rabinovitz, Arnold, Warner, Stone, Jones, Peterson, Gallier, Garnsey, Batchelder and Tinker.

Sophomores—Avery, captain; Lavene, Nourse, Curran, Jewell, Lyman, Sherwood, Lapidus, Stowe, Symons, Hunt, Hazelton, Whipple, Hathaway, Kunzelman, Bolger, Bernard, King, Haizis, D'Ewart, Evans, Nary, Hawkins, Wright, Coolidge, Halliwell, Kramer, Thurston, Wagner, Andrews, Johnson, Pouvier, Reed, Morrison, Murray, Crippen, Hollister and Roy.

Senior Class Elections.

President—C. C. Clough.
Vice President—A. L. Brown.
Treasurer—A. C. Burleigh.
Secretary—Stanley Porter.

CALENDAR.

Monday, Oct. 14.
Chemical Club Meeting at 8 p. m. in Chemistry lecture room, Salisbury Laboratory.
Student Popular in E. E. lecture hall at 5 p. m. Speaker, George W. Tupper, Ph. D.
Tuesday, Oct. 15.
Orchestra rehearsal at 4.45 p. m. in Y. M. C. A. rooms.
Bull Moose Meeting at 5 p. m. in Boynton Hall.
Glee Club rehearsal at 4.45 p. m.
Wednesday, Oct. 16.
Second Cross Country Run, starting from Alumni field, at 5 p. m.
Thursday, Oct. 17.
Glee Club Rehearsal at 5 p. m. in Y. M. C. A. room.
Saturday, Oct. 17.
Football, W. P. I. vs. New Hampshire State College at the Oval, 3 p. m.
Every Day.
Football Practice.
Tennis Tournament.
Cross Country Training.

CIVIL ENGINEERING SOCIETY.

The first meeting of the year will be called to order at 8 o'clock, Friday evening, Oct. 18, in Boynton Hall. An interesting program has been arranged with seniors speaking on their summer experiences along civil engineering lines. There will be an election of officers. Everybody turn out to make this meeting a rouser. There will be refreshments.

CHEMICAL CLUB

The first regular meeting of the Worcester Chemical Club, conducted by students in the chemistry department, will be held Monday evening, Mr. T. R. Briggs, instructor in theoretical chemistry, will present his paper on "Blue Gelatine Copper," which is the same subject on which he talked before the Industrial Congress of Applied Chemistry, held in New York, a month ago. Mr. L. L. Steele, assistant in chemistry, also engaged in research work, will speak on "Some Problems Met With in Synthesizing Rubber."

LOOK HERE, POLYTECHS! E. E. HALL, THIS AFTERNOON.

Through a fortunate combination of circumstances the Y. M. C. A. has been able to bring Dr. George W. Tupper, the well-known authority on immigration, to Tech Hill for one of his illustrated lectures. That will take place this afternoon in E. E. Hall at 5 P. M. Prof. Haynes will preside and special music will be furnished by the orchestra. Dr. Tupper will speak on "Makers of America." He brings with him some very fine slides to illustrate his address.

Because of this meeting, the regular Student Popular for this week will be omitted. It is rarely that we get an opportunity on the Hill to hear so live a question discussed by "one who knows." Last year when Dr. Tupper addressed us we gave him an enthusiastic reception—let's make it even better this afternoon.

TECH MIXERS.

The demand for season tickets for the Mixers vindicated the judgment of the social committee in arranging for this series of entertainments. The committee hopes to have the tickets ready for distribution by Tuesday morning of this week. Watch for announcement on the bulletin boards. There are a few more season tickets available for those who come early.

TECH NEWS

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All checks should be made payable to the Business Manager.

The Tech News welcomes communication but does not hold itself responsible for the opinions therein expressed.

All material should be in before Friday noon at the latest in order to have it appear in the week's issue.

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58 Front St.

Contributors This Week.

W. B. Brown. G. W. Hayes
G. W. Slocumb M. G. Steele.
H. B. Stewart. E. E. Andrews

GLEE CLUB REHEARSALS.

Glee Club rehearsals will come Tuesday and Thursday nights at 5 o'clock in the Y. M. C. A. room. Mr. Russell will have charge of the Tuesday night rehearsal, and the leader, E. B. Cooper '14, will handle the club on Thursday nights. Tryouts will continue each Tuesday night and if you wish to sing, a hearty welcome awaits you. A list of names of the men Mr. Russell has picked will be posted in Boynton Hall before Tuesday's Rehearsal. If your name is on it, show up and if it's not on, get it on.

THOSE STUDENT POPULARS.

Last Wednesday, Mr. George W. Coleman came down from Boston to address the student body on the subject of "Keeping Your Equilibrium." In the course of an able talk upon live issues he emphasized the importance of constructive thinking, that is, of reaching positive conclusions, rather than blindly accepting the whole program of extremists (either radical or reactionary). Those present found Mr. Coleman an entertaining speaker, but we are ashamed of the size of his audience. Exactly 4% of the undergraduate students were there and the other men on the Hill were largely conspicuous by their absence. Secretary Shedd should be asked to discontinue this series unless the fellows are ready to turn out in much larger numbers, for it is

discourtesy to invite a busy man here to address the students and then ask him to talk to twenty men, mostly Freshmen. Furthermore, such a showing is a disgraceful advertisement of Tech and our boasted "Tech spirit."

THE STORY OF THE MAN.

You remember the story of the man who went upon a high hill and called in a loud voice, "O Good Spirit!" You remember how the forests re-echoed his cry, how the neighboring mountains tossed his words from peak to peak, how the word "Spirit" rolled down the hillsides into the valleys, into the country towns and into the cities, until all the world was happy. The world was happy for the spirit had come. The world was joyous for the right spirit, the spirit of good fellowship and loyalty, had come. Now we are told that if the man had not called forth the right spirit, or had a spirit come from the land of selfishness, the world would have been filled with discord and contention, and that

treachery and fear would have reigned everywhere. It was with this little fable in mind that somebody asked, "Has the good spirit been in the world ever since, and is it here at Tech?" To answer such a question, on the morning after the egg-shooting contest in front of Pleasant-Street Theater, was no easy matter, and I asked for a little time in which to decide. Such a manifestation of loyalty, as the "heavink" Sophomore pushers showed in marching thru the pond with their defeated fellows: Such an indication of good fellowship as the Freshmen, before their triumphant, sent up a rousing cheer for their rival class; such apparently barefaced proofs of discord as the victors on the return march met with, a shower of eggs, etc.! Such manifestations I had never before seen and I did not feel ready to answer at once. But the answer is now at hand. A little probing shows plainly enough that the last-mentioned affair was in no way a class affair, and that the Sophomores are even more indignant than are the Freshmen. It seemed like a contest between the two great spirits, Good Fellowship and Contention, a hard fought battle in which the former was victor. And now that that great spirit spreads its wings once more over the two lower classes I make my answer: "The right spirit may or may not be in the outer world, but I believe that it still hovers over Tech. Long may it live, and woe to the man who tempts to drive it away!"

EGGS.

George Fitch tells us that an egg is composed of four parts—the shell, the yolk, the white and the price. The shell is very fragile, like one of the Ten Commandments and can be broken without an effort.

The price is the biggest part of the egg and its chief protection. The price alone has saved millions of innocent young eggs from being boiled and eaten.

Eggs are very delicate and spoil very quickly. When an egg spoils it puts its whole heart into the performance. One can tell a spoiled egg as far as it can be seen, and with one's eyes shut at that, if the wind is in the right direction.

There was a time when everyone ate fresh eggs in summer and went without in the winter. Nowadays, however, business methods have led men to buy the fresh eggs in the summer and store them until winter, when they have acquired a rich russet flavor. Those eggs which cannot be sold in winter are held over and sold the next summer.

These eggs are not explosive, but little else that is good can be said of them.

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and

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SHOULD WE ABOLISH ATHLETICS AT TECH.

Continued from page 1

been doomed to obscurity are brought into a prominence which develops the best that is in them and reveals their real characters. It is hard to conceive of a place where one can better show his true worth than on the athletic field. Here a man can prove himself proof from temptation of meanness, and show that he is reliant and capable.

But the students are not the only ones to gain. Athletics successfully provide one of the finest forms of advertising that a school could ask for. The circulation of the various teams around the country undoubtedly attracts many towards college who otherwise would never be reached. Also, athletics unify the student body and, by making them loyal and patriotic to their Alma Mater, change school government from a burden to a comparatively easy problem.

If, then, athletics are as vital to a school as has been stated, why is the suggestion made that they be abolished here at Tech? It is because their present condition here is decidedly precarious and, until radical measures are taken, they will stumble in their present half-hearted way and become a detriment rather than a benefit to the school. The cause of the trouble is not hard to locate, but it is very hard to correct. In the past, athletics at Tech have suffered immeasurably from the lack of proper equipment as an athletic field, a good gym, locker rooms, etc., such as exist in a majority of other schools.

They are essentials without which it is very hard to produce satisfactory results. Without doubt this is one explanation of Tech's present athletic inefficiency. Relief along these lines is in sight, however, as we have been definitely promised these things in the near future as a result of the recent campaign among the Alumni. The coming of the Gym and Athletic Field will remove this obstacle and it seems as if this is one very good reason why athletics SHOULD NOT be abolished. Without athletics, how can we make good use of these promised luxuries and show our appreciation of the hard work of those who procured them?

Some seem to have the idea that a technical school cannot develop good teams because of the great amount of studying required, and this question without a doubt has two sides. On one hand, we have evidence of other large technical schools actively and successfully engaged in athletics, as M. I. T., Rensselaer, Cornell, Stevens and many others. But here on the Hill the fact cannot be evaded that our curriculum is rather hard to neglect, and is very poorly arranged for those fellows who are playing on the teams. It certainly seems that these conditions might be changed without reducing the efficiency of the courses of study. Even if the present system continues some concession should be made whereby members of the teams might make up work lost by being absent from recitation. But this is beyond the control of the student body, and cannot be remedied by them.

A criticism has been recently circulated that the members of some of the teams do not train properly. This is undoubtedly true, but to a certain extent it cannot be helped. There is hard work to be done, and at Tech we cannot keep the hours that usually are prescribed by trainers. Then, too, the absence of a training table prevents the teams from having the carefully selected food that is a necessary adjunct to training. But, in spite of these difficulties, there seems to be no plausible excuse for such indulgences as smoking, drinking, etc., by team members, who should be conscientiously training. It is admittedly hard to do very much

real training here, but then (to distort an old saying), "half training is better than none."

One of the greatest difficulties, however, seems to be the lack of willingness on the part of the student body to give their personal support to athletics. Take football as an example; the size of the squads that report to Coach Carney is discouraging. Of course, athletics mean a personal sacrifice for each man engaging in them, but if they are to be an accepted part of the school don't let them be luke-warm and half-hearted. Show your spirit! Take an interest in athletics and make something of them. Trinity College, with a student body only half the size of ours, yearly turns out one of the best small college football teams in the East. They are also very prominent in track, baseball, basketball and other sports. Tech has double the material of the same quality that Trinity has, but it is not available simply on account of a lack of inclination on the part of the students to do their part.

The above are a few very good reasons why athletics SHOULD be discontinued at Tech, but these conditions may be so easily changed that it seems a shame to offer them as a valid excuse for giving up athletics on the Hill.

To conclude: Are we going to abolish this important factor of our school life, are we going to continue with them as we have in the past, or are we going to better them? It is far better to do away with them completely than to permit them to go on as they have done, but it is nothing short of a crime to do either when it is entirely possible to retain them and improve them far above present standards. The great trouble, as has been stated before, seems to be in lack of willingness on the part of each one to do his quota in the way of support, and in spite of the fact that this support requires considerable sacrifice, it seems as if the trouble lies in nothing but a deplorable lack of school spirit.

It seems quite clear then, how we shall put athletics on a firm footing once more and put out teams that will, by their winning qualities, inspire the loyalty and support of every man at Tech. First, in spite of the fact that our athletic equipment is at present not efficient for out needs, we can struggle along bravely, hampered though we are without them, and show ourselves worthy of the promised gym and field; second, if members of a school team, we can work hard to overcome the difficulties of curriculum and conscientiously train, as much as conditions will permit. Finally, even if we are not athletically inclined, we can all show that we are overflowing with Tech spirit and are full of red blood, which we are willing to stake, every drop, for Tech to win.

ATHLETIC ASSOCIATION ELECTION.

The annual election of the Athletic Association officers will be held on Friday afternoon at four-thirty in the Electrical Engineering lecture room. This election will precede the mass meeting, and so there will be no excuse for anyone staying away. We heard last Sunday several speakers tell us that we should always exercise our right to vote and take an interest in elections. This is the chance for us at Tech to make use of our right as Students to choose those who shall manage the Athletic Association. It is just as important for each one to register his choice next Friday as to vote for the President on November 5th. Altho the nominations closed last Friday, any man nominated at the mass meeting is eligible for election, but, of course, it will be necessary to write his name on the ballot.

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FRESHMEN VICTORIOUS IN CROSS COUNTRY RUN.

For the second time in one week the Freshmen demonstrated their ability by defeating their Sophomore rivals in the first of the series of cross country runs. Led by Hugo, the wearers of the anarchistic headgear made their second step toward discarding the vivid sunbonnets. And the time of 11m 4s for the run of a little over two miles shows that the winner ran much faster than last year when the time was 11m, 44s for the same course. Incidentally, this is the first time in four years that a Freshman has won the first place.

At 5.15, manager E. E. Peirce fired the gun which started the men over Alumni Field, and after getting onto Institute road, Gerald, who finished second, set the pace. At Newton square, however, Hugo jumped into the lead and hit up a pace that made the time so much faster than that of last year.

The men finished in this order: Hugo '16, Gerald '15, (Hedstrom '13) Church '15, Pike '15, Lord '16, C. H. Burgess '16, Miller '15, Stuart '16, Royal '16, Burns '14, Pierce '16, Russell '15, Perrin '16, Moulton '16, Griffin '14, Ferguson '14, Johnson '15, Arnold '16, W. B. Burgess '16.

The score was '14 16 points, '15 77 points, and '16 119 points.

The next run over the Newton Hill course will be Wednesday, Oct. 16.

CROSS COUNTRY.

The second cross country run will take place on Wednesday afternoon over the three-mile course. In the first run all of the eligible classes except the Junior were well represented and even the Seniors with no chance of having their points scored, had nearly as many men as their former rivals. This is not as it should be. Even if the fourteen men have not as yet won a meet, it is no reason for giving up hope and handing the prize to one of the other classes. There are several men who scored last year and in their Freshman year, but they have not as yet taken enough interest to come out. The last race will be a tryout for the Intercollegiate cross countries, and the team will be picked on the basis of the showing the men make in this run. Tech has an even chance of winning this year, so it is up to the men who have made a good showing in former years to enter. With the material that has made up the team for the last two years and the Freshmen who have already shown their ability to break records we will send a team to Brookline on November 16th that will make the rest of the colleges hustle to win from. How would you like a parade that Saturday night with an intercollegiate victory to celebrate?

THE SPECTATOR ON THINKING.

As I was riding on a street-car the other day, I noticed a man wearing one of those celluloid cigarette buttons with the legend, "I DON'T THINK." A second glance at the man, who appeared to be rather unintelligent, led one to the conclusion that he was correctly so accidentally tagged. This chance observation recalled to me the words of an eminent teacher who said that "after all, education consists largely in teaching men to think and giving them something to think about." How many Tech students there are who, if the truth were known, display to their instructors just as clearly and unconsciously the advertisement, "I don't think." I even venture to predict that half a dozen hard-working students will fail this year just because they try to make parrots of themselves instead of engineers. It might even be worth while to add to the old heels, "a new adage, 'Let reason and memory form a partnership.'"

TECHNICALITIES.

A. S. Cushman '88, has an article in the Aug. 16 number of Science, entitled "The Corrosion of Iron and Steel." Mr. Cushman is Director of the Institute of Industrial Research in Washington, D. C. He obtained the degree of Ph. D. at Harvard University in 1898, and for some years was Professor of Chemistry at Bryn Mawr College before taking up his present work.

Mr. C. J. Adams of the Department of Language addressed the members of the Phita Chi fraternity at the fraternity house, Lancaster Terrace, last Wednesday evening.

The registration for the year, while not complete, shows a total in advance of any year. The numbers in each class are as follows: Freshman 186, Sophomore 148, Junior 105, Senior 99, Graduate 10, a total of 548. The registration for last year at this time was 525.

Plans are being perfected for the establishment in the near future of a lunch counter at the Institute. The increased number of students and the growing number of those who take their lunch at the Institute during the noon hour have made some such arrangement necessary. The plan which will be discussed much more fully later involves installing the counter in the newly renovated lunch room in the basement of Boynton Hall.

Acting President L. S. Conant will represent the Institute at the inauguration of President Meikiljohn at Amherst, Wednesday, Oct. 16.

Dr. T. C. Mendenhall, President of the Institute from 1894 to 1901, will be present at the hundredth anniversary exercises of the American Antiquarian Society, Oct. 15 and 16. Dr. Mendenhall has spent the time since his resignation in 1901 in Europe.

Three of the chemists who were graduated in June have accepted positions with the E. I. Du Pont Powder Co. After taking the regular two months' course at the Eastern Laboratories, which are especially designed for training men for the powder industry, the men were given assignments to plants conducted by the company.

A. S. Kloss is works chemist at the "Hercules" plant, located at Pinhole, Cal.

E. E. Hard is filling a similar position at the Joplin, Mo., plant, and F. W. Clapp is chemist at "Forcite" plant in Dover, N. J.

The instructors connected with the department of chemistry have decided to hold a colloquium, fortnightly, at which two papers are to be presented by the members. The meetings are to be held Monday evenings in Salisbury laboratories. The first meeting is to be Oct. 21, and the speakers will be Prof. W. J. Jennings and Assistant Professor A. C. Sweetser.

Nelson E. Barter, formerly of the class of 1913, is now at the Massachusetts Institute of Technology.

Professor Carl D. Knight of the Electrical Engineering Department, has just completed a calibration of an 8000 ampere shunt for a prominent manufacturing company. In connection with this test, a number of electric meters were compared with the standards of the department.

Junior chemists studying mineralogy, plan to make several expeditions to points of geological interest, Columbus Day. Different parties intend to go to the Coal Mine at Lake Quinsigamond, Millstone Hill quarry, Purgatory in Sutton, and the Sterling quarries.

Prof. Butterfield, Mr. Cummings and Mr. St. John are attending Professor Webster's lectures in Dynamics at Clark University this year.

Use Your Gumption

You know how it is in the classroom. If you're not well prepared you can often "get by" by using a little common sense in your answers. Same way in life. Good Clothes alone won't take you everywhere, nor open all doors to you, but you'll find them a powerful help. Good Clothes plus a little gumption will accomplish wonders. Get your gumption working now and climb into

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 Yale vs. Army, at West Point.
 Princeton vs. Syracuse, at Princeton.
 Pennsylvania vs. Brown, at Providence.
 Dartmouth vs. Williams, at Williams-town.
 Cornell vs. Pennsylvania State, at Ithaca.
 Navy vs. Swarthmore, at Annapolis.
 Carlisle vs. Pittsburgh, at Pittsburgh.
 Tufts vs. Bowdoin, at Medford.
 Trinity vs. Colgate, at Hartford.
 Wesleyan vs. New York University, at New York.
 Holy Cross vs. Springfield, at Springfield.
 Bates vs. Ft. McKinley, at Lewiston.
 Vermont vs. Massachusetts State, at Burlington.
 Lafayette vs. Ursinus, at Easton.
 Lehigh vs. Haverford, at South Bethlehem.
 Union vs. Rochester, at Rochester.
 Hobart vs. Rutgers, at New Brunswick.
 Norwich vs. Rhode Island, at Kingston, R. I.

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DEPARTMENT NOTES.

The Physics Department has now one more instructor, Ancel St. John, Ph. B., who graduated from the University of Rochester in 1906. Mr. St. John has held the following positions: Instructor in Physics, Syrian Protestant College, Beirut, Syria (1906-9); Assistant in Physics, Columbia University (1909-10); Acting Professor of Physics, Emory and Henry College, Emory, Va. (1910-12).

Prof. A. L. Smith has just issued the third edition of his book entitled, "Technical Sketching and Free Hand Lettering." While this book is intended primarily for engineering students, it has been made by the author so "understandable" that any student of the subject can use it with or without a teacher. Including the index, the book has 159 pages, 8x9, and is neatly bound in dark gray buckram.

"NEXT" Half Way Thru

This article is not written in a spirit of denunciation. Neither is it written in justification of the course of the Junior class, but rather is its purpose a setting forth of the facts so that a true conception of the whole matter may be generally held.

In the class meeting of Sept. 23, fifty-one members of the Junior class agreed to attend a "Half Way Thru" Banquet to be held in Boston at the Copley Square Hotel. Fifty-one, out of a class of approximately a hundred and fifteen is not exactly an exceptional showing, to say the least. 1913 last year was smaller than 1914 is, yet sixty-five of its members attended a like banquet. After a complete canvass of the class it was found that thirty-one men could or would go. What kind of a class banquet could result from such a number? It surely wasn't a representative gathering, it surely could not be called a class banquet and hence it was far from probable that it would result in success. From the first a general lack of interest was noted by the committee. They had hard time in getting a satisfactory list of speakers and the matter of selling the few tickets that were sold was not altogether one of "painless extraction." As the committee felt that the affair would turn out a perfect fizzle and as they did not wish to be responsible for the same they called a class meeting for Thursday noon and put the whole thing before them. At that meeting, the Junior class voted by a big majority not to hold its "Half-Way-Thru" banquet unless thirty-five men would attend. The men were not forthcoming, so the banquet order was cancelled.

Such is the plain statement of the various details and it does seem a pity that a custom—and we have few enough of them—such as this should be allowed to drop. Let us hope that the present Sophomore Class will take example from the Juniors and next year re-establish this custom that the latter have turned down. It but makes us wonder whether such a spirit is not characteristic of the whole school to a more or less degree. Is it not such that keeps us from winning games? Is it not but another indication that this thing called Tech spirit is a nonentity? It is easy enough to ask the question "why," but it is another matter to answer it. We can but wait and hope that with the erection of a gymnasium and the building of an athletic field that a characteristic spirit will spring up that will permeate the whole of Tech and even manifest it-



PHOTOGRAPHS

Bachrach

1 Chatham

ENGINEERS AND POLITICS.

That every citizen in a democracy is under moral obligation to take his part as a voter and, if occasion arises, to accept office as a public trust is axiomatic. Yet to the unwillingness of large numbers of educated and intelligent citizens to vote or hold office must be attributed the sway of the bosses, the security of grafting officials and the apparent failure of popular rule in many of our states and municipalities. The two most potent influences back of the reform movements in recent years have been publicity and the awakened interest of college trained men in clean politics; while it is hardly to be questioned that college men constitute the strength of the progressive or liberal elements in the two great national parties as well as of the new Third Party.

Altruistic considerations aside, the engineer can scarcely select a line where politics, local or national, do not influence his work and prospects. In spite of the civil service, changes in administration or policy may quite directly affect the reclamation service, the Panama Canal, the geological survey, the bureau of standards, the pure food bureau and even the patent examiners. The engineer employed by the state, county or city is seldom protected by a civil service, and a political overturn will not only endanger the work in which he is interested, but will probably cost him his job. Engineers in private practice are none the less vitally concerned with political changes because these, like the tariff, affect them indirectly. The close connection between engineering and politics becomes evident as one considers the effect of patent legislation, building inspection, railway regulation and the impending application of workmen's compensation and minimum wage schemes to all our great mechanical industries. Thus, government engineering projects are at the mercy of politics, while private engineering is largely dominated by corporations whose interest and concern regarding proposed legislation has not infrequently led them to corrupt cities or buy up legislatures to gain their ends.

Public sentiment is awakening to the fact that "the invisible government" of craft and graft is a parasite upon our free democracy and is endeavoring to break its chains. Now, the average college graduate (unless a lawyer) is free to interest himself in things political or not as he wishes, but, as we have noted, the engineer is forced to consider political affairs and the only choice lies in his attitude toward them. In a short time you will have to decide this question: "Am I to seek a stand-in with the bi-partisan bosses and pay blackmail for opportunities to practice my profession profitably at the expense of the public or my rivals, or can I afford to join the men who have high professional ideals and stand for honest politics and an equality of opportunity?" We have no advice to offer beyond the suggestion that this subject deserves careful thought, and it would be fortunate if the Institute could give more attention to politics and economics. The formation of political clubs at Tech during the present presidential campaign is a commendable activity if this leads to any serious consideration or debate of

What Tech Needs

One thing that Tech needs more than spirit, more than numbers, more than new buildings, more than a thousand other things, is—good loyal leadership. When a crowd like the Sophomores of last week gets together, there is always someone who leads. Now what that crowd will do depends on suggestions and actions of the leader. Armies have been led to success by a great leader in face of terrible odds; football teams have won great games because of their leader. Here at Tech it is just the same; if the leader is the right kind, the right kind of things happen; if he is a chap that believes in Tech, realizes what she is doing towards making him a man to accomplish things worth while, the results show for the good in everything. But if the leader is a fellow who never stops to think of Tech's name, then such happenings as occurred last week will no doubt be repeated.

We have the material here at Tech for good leaders, fellows with plans, with ideas, with the right stuff in them, fellows with serious aims—Let them come to the front and take command of the weaker men to teach them what W. P. I. really means.

SEX HYGIENE COURSE.

When notice was given two weeks ago that a class in sex hygiene would be organized providing there was sufficient demand to justify it, many men expressed their interest in it. Last week, to give Secretary Shedd a definite proposition to work upon a ballot was put in the "News" for the men to sign, who were willing to back such a course. Only eleven of these ballots have been handed in to Secretary Shedd. No move will be made for the organization of a class unless at least 40 men sign up for it.

IF YOU MEAN BUSINESS, sign up right away. See last week's News for conditions.

THE COLLEGIAN.

College seals upon his letters,
 College pennants on the wall,
 College letters on his sweaters,
 College clothes and shoes, and all;
 College slang he's fond of alighting
 With no end of savoir faire,
 College songs he's always singing,
 "College cut" he wears his hair.
 Oh, he tells of college capers
 And he has a college talk,
 Sports a college belt and buckles,
 Wears a college fob and chain,
 Laughs and quite a college chuckle,
 Swears in quite a college strain.
 Then he dances college fashion,
 And he eats at College Inns,
 And he has a perfect passion
 For displaying college pins
 And you'd never in creation
 Guess this student, calm and cool,
 Got his college education
 In a correspondence school!
 —The Umpire, U. of Oklahoma.

—10—

"POME."

They stood beneath a spreading tree.
 He talked as best he could,
 And then, to seal the compact, he
 Cut "Mabel" on the wood.
 Now back in Worcester both have
 strayed;
 T'other day they chanced to meet.
 Can you believe it, that self-same
 maid
 Cut Charlie on the street.

POST KARDS and PENNANTS Yours Truly, Mr. Williams

THE BULLETIN BOARD.

After spending three years on the Hill and finally seeing Boynton Hall improved to the fine condition it is in at present, it would seem that one more improvement would be entirely fitting. From the beginning of the Freshman year, the mea are obliged to read notices which are posted in Boynton Hall. System decreed that it was best to post them all in one place, and then System died and let it go at that. As a result, notices concerning the construction of the Ark and the next cross-country run appear together; notices on paper that is yellowing with age snuggle affectionately against new ones upon which the ink is still wet, as if they would absorb a little of this freshness for themselves.

Now, it is suggested that the Lost and Found notices be kept separate and all those concerning Lost to be kept together instead of being strewn promiscuously over an area of several square feet. Also that notices which have served their purpose or are apparently never going to, shall be removed from the boards. To a stranger the Bulletin Board presents an uncompromising mess. Men who are endeavoring to keep abreast of the "doings" are unable to spare the time required to do so, for it involves running over a hundred or more notices that have been read several times before, on the chance that perhaps a new one has been sandwiched in somewhere. This has led to the use of great, glaring announcements that look like whisky advertisements and which succeed only in covering up three or four smaller notices.

The confusion is so great and so generally recognized by all, that nearly always two or three notices will be found over the mailbox to insure their being seen. This destroys the walls and woodwork about the library entrance and should not and would not be tolerated but for the valid excuse that can be offered. Committee Meetings are fortunate if half the members are present, for the absent ones explain that they "didn't have time to cross-examine the bulletin board for information."

It is hoped that this will be remedied before the writer graduates. In this connection, the following suggestion may be made: Last week's issue of the News, in an article entitled "Supposing We Should Win?" proposed to form a group which would plan athletic celebrations in advance. Why not enlarge upon this idea; increase the number of men, and make it a representative body of student activities, which would resemble the bodies of other colleges. Their duties are to do anything that would advance or improve the college in any way. The Bulletin Board might thus be one of these duties. '13.

His Prizes.

Mickey and Pat had been at school together, but had drifted apart in after life. They met one day and the conversation turned on athletics.

"Did you ever meet my brother, Dennis?" asked Pat. "He has just won a gold medal in a marathon race."

"That's fine," said Mike. "But did I ever tell you about my uncle Baylthomas?"

Pat agreed that he could not call him to mind.

"Well," continued Mike, "he's got a gold medal for five miles and one for ten miles, a silver medal for swimming, two cups for wrestling, and a lot of badges for boxing and cycling."

"He must be a great athlete, indeed," said Pat.

"You're wrong," cried Mike. "He keeps a pawnshop."

Look out for your tongue—it's in a wet place and liable to slip.

A friend is one who knows all about you and likes you just the same.

HALF-WAY-THRU.

High Cost of Living Overwhelms Junior Class.

The excessive prices of Boston hotels and a sudden desire to economize on the part of the Junior class caused a postponement of the annual Half Way Thru banquet of the Junior class, which was to have been held at the Copley Square hotel in Boston last Saturday night. The loyal twenty-eight wanted to go anyway, but—where were the rest? Even the added attraction of a world's series ball game and the Electric Show could not draw out enough men to fill the specifications. And sixty-two men had promised to go! Maybe they were afraid of the city or is the Square more of an attraction than the Howard? Maybe they wanted to study all day and yet they may have remembered the tales of Mt. Wachusett they heard in their Freshman year. Let us hope that they saw the "bottle-browed" villain and all the rest of the Monsters, but Boston—NEVER!

PROGRESSIVE CLUB MEETING.
A meeting of the Progressive club will be held in room 19, Boynton Hall, tomorrow afternoon at 5. Every Bull Moose is expected to attend this meeting as several important matters are to come up.

MORE IDEAS.

Athletics should not be abolished unless you expect to kill a school. The best advertisement a school has is its athletics, but it must be good in all athletic activities. Here at Tech the fellows pay four dollars per to promote athletics and why are our teams not better?

There may be several reasons, but it mainly lies with the managers and coaches. If we had coaches of reputation, more men would turn out, more spirit would be shown in trying for a position and fellows would get down and train of their own accord. Some of our managers only take the position because they have to and do not have the interest that a manager who had won his position by his own individual work. Some say we do not have time to practice. We have as much time as most of our opponents, and our opponents turn out good teams. Our great disadvantage is our poor field, but the prospects of new field and gym will eliminate all this difficulty in the near future. The seniors have seen one branch of athletics fall at Tech, not due to poor teams, because our basketball teams were good, but due to lack of support. We have a chance soon to show whether or not football will go the same way. Tech plays in Worcester Saturday, and let every man dig deep and help all they can by attending the game and letting the team know that you are back of them.

G. E. Pellissier, formerly Superintendent of the Goldschmidt Thermit Company, is now General Manager and Treasurer of the Pellissier Engineering Company with headquarters at 21 Besse Place, Springfield, Mass.

Recent visitors at the Institute have included Charles F. Leonard '96, with the Public Service Commission at Albany, N. Y., N. F. Frissell, '12, with the Gardner Foundry Company, Gardner, Mass., and Edward Hutchins, '03.

F. B. Knight, '92, has recently been elected a member of the American Society of Civil Engineers. Since graduation, Mr. Knight has been continuously connected with the Lidge-wood Mfg. Co. of New York City, first in the drafting department, then as Engineer in the New York office, and since 1908 as Engineer and Manager Pres., W. H. Turnbull; Sec., E. T. of the Chicago office. In this capacity Mr. Knight has had charge of a large amount of design work of cableways and similar handling equipment in the western part of the country.

Worcester, Mass.

Oct. 10, 1912.

To the Editor of the News:

It is a great source of satisfaction to some members of the Faculty to note the increased interest in Bible Study at the Institute. Personally I would urge that every student associate himself if possible with some Bible class, either at the Institute or at the church he attends.

No matter how brilliant a student may be or how successful he is in engineering practice after graduation, unless he has developed himself along lines that tend toward morality, honesty, and uprightness, he is not the broad man that he should be. I have been much impressed by the attitude of many of our graduates whom I have met during the last year, toward religious matters.

They have manifested a great interest in all the work that the Y. M. C. A. are doing, believing that any efforts put forth to help men to become more upright, more honest, and better all 'round engineers, should be supported.

Sincerely yours,

Arthur D. Butterfield.

ANNOUNCEMENT.

During the college year 1910-'11 there were in the larger American colleges 2,219 students leaders of Bible Study groups, besides 830 faculty members, and 301 business and professional men engaged as leaders. Bible Study groups were organized on Tech Hill last year with student leaders who met their groups one night each week in fraternity and rooming houses for study and discussion or daily reading of Bosworth's "Life of Christ." This year the course is to be enlarged by an increase in the number of groups, and a choice between the text used last year and Jenk's "Social Significance of the Teaching of Jesus Christ." Church groups, to meet at the usual Sunday School hour, will be established where attendance of Tech men justifies the step.

Dr. Allyn K. Foster will lead one of the largest groups, that composed of members of Phi Gamma Delta fraternity. A normal class as an assistance to student leaders is being led by Rev. Wm. A. Lee. The class meets weekly for discussion of methods and difficulties of leadership and will be of considerable influence in producing capable leaders, which will add to the success of the particular form of proposed discussion groups, in which the leader is to be "leader" and not "teacher."

A personal canvass of fraternity and rooming houses will be made Tuesday and Wednesday evenings, Oct. 15 and 16, between 6.45 and 8.00. Get in line; have a group in your house.

At the Hygiene Congress, Prof. Maurice A. Bigelow of Columbia university, New York, said that sex hygiene should be taught in the schools and that even if an occasional mistake was made by this method, it would do far less harm than to allow children to get their information of important sexual matters from improper and impure sources.

Written Wonce

Wearry Willie walked, where were woods with winding ways,

Trying to tell Tillie tales, Tillie thought too tame;

But before Bill brought back "beau," by blunt, blushing, breathing,

Neatly, nobly, nurtured nymph, nuptials—now new name.

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